

SOIL REMEDY ALTERNATIVE XX: EXCAVATION

Original acres:		1.34			Total:	Original	RADD
RADD acres:			0.8			\$11,673,155	\$6,949,029
		Original	RADD	Original	RADD		
1. Mobilization						\$18,019	\$18,019
Assume	32	32	D6 Dozer (4)	\$86.63	\$86.63 per hour	\$2,772	\$2,772
Assume	32	32	compactors	\$86.63	\$86.63 per hour	\$2,772	\$2,772
Assume	24	24	Water Truck	\$86.63	\$86.63 per hour	\$2,079	\$2,079
Assume	24	24	Dump Truck	\$86.63	\$86.63 per hour	\$2,079	\$2,079
Assume	32	32	924 Loader	\$86.63	\$86.63 per hour	\$2,772	\$2,772
Assume	64	64	210 trackhoe	\$86.63	\$86.63 per hour	\$5,544	\$5,544
2. Foundation and Pavement Removal						\$175,784	\$69,696
Assume	87,892	34,848	sqft of foundation and pavement removal	\$2.00	\$2.00 per hour	\$175,784	\$69,696
3. Excavation (50 cubic yards per hour)						\$323,023	\$192,849
Assume	1,226	732	trackhoes	\$165.31	\$165.31 per hour	\$202,670	\$120,997
Assume	307	183	contractor supervisor	\$66.00	\$66.00 per hour	\$20,262	\$12,097
Assume	1,226	732	dump truck	\$81.64	\$81.64 per hour	\$100,091	\$59,756
4. Backfill						\$1,214,655	\$725,167
Assume	79,718	47,593	cubic truck yards of backfill at	\$10.59	\$10.59 per cy	\$844,214	\$504,008
Assume	613	366	dozers	\$127.89	\$127.89 per hour	\$78,397	\$46,804
Assume	613	366	compactors	\$87.65	\$87.65 per hour	\$53,729	\$32,077
Assume	613	366	loader at stock pile	\$101.63	\$101.63 per hour	\$62,299	\$37,194
Assume	613	366	water wagon	\$81.64	\$81.64 per hour	\$50,045	\$29,878
Assume	613	366	dump truck	\$102.72	\$102.72 per hour	\$62,967	\$37,592
Assume	767	458	compaction tests	\$45.00	\$45.00 per hour	\$34,515	\$20,606
Assume	153	91	contractor supervisor	\$66.00	\$66.00 per hour	\$10,098	\$6,029
Assume	613	366	labor	\$30.00	\$30.00 per hour	\$18,390	\$10,979
5. Waste Transportation and Disposal						\$6,979,527	\$4,166,882
Assume	6,643	3,966	transported loads of soil	\$385.00	\$385.00 per load	\$2,557,555	\$1,526,899
Assume	61,020	36,430	tons of non hazardous soil disposal	\$38.00	\$38.00 per ton	\$2,318,760	\$1,384,334
Assume	6,780	4,048	tons of hazardous soil disposal	\$132.00	\$132.00 per ton	\$894,960	\$534,304
Assume	1,594	952	waste profile samples (50 yd/sample)	\$758.00	\$758.00 per sample	\$1,208,252	\$721,344
6. Confirmation Sampling						\$196,320	\$117,206
Assume	213	19	samples (24 samples per acre)			\$0	\$0
Assume	213	127	confirmation samples	\$640.00	\$640.00 per sample	\$136,320	\$81,385
Assume	120	72	days rental equipment at	\$500.00	\$500.00 per day	\$60,000	\$35,821
7. AMEC Excavation & Contractor Field Oversight						\$100,474	\$59,984
Assume	4	2.4	months office trailer at	\$500.00	\$500.00 per month	\$2,000	\$1,194
Assume	88	53	days per diem/lodging/truck rental at	\$260.00	\$260.00 per day	\$22,880	\$13,660
Assume	879	525	hours AMEC field supervisor at	\$86.00	\$86.00 per hour	\$75,594	\$45,131
8. Project Management & Reporting						\$916,148	\$558,260
Assume	1	1	Report	\$35,000	\$35,000 Lump Sum	\$35,000	\$35,000
Assume	1	1	AMEC project management at 10% of all other cost			\$881,148	\$523,260
9. Contingency						\$1,945,526	\$1,158,171
Assume	1	1	Continegency	20%		\$1,945,526	\$1,158,171

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**Total: \$6,949,029**remediation area: 0.8 acres

<b>1. Mobilization</b>					<b>\$18,019</b>
Assume	32	D6 Dozer (4)	\$86.63	per hour	\$2,772
Assume	32	compactors	\$86.63	per hour	\$2,772
Assume	24	Water Truck	\$86.63	per hour	\$2,079
Assume	24	Dump Truck	\$86.63	per hour	\$2,079
Assume	32	924 Loader	\$86.63	per hour	\$2,772
Assume	64	210 trackhoe	\$86.63	per hour	\$5,544
<b>2. Foundation and Pavement Removal</b>					<b>\$69,696</b>
Assume	34,848	sqft	\$2.00	per hour	\$69,696
<b>3. Excavation (50 cubic yards per hour)</b>					<b>\$192,849</b>
Assume	732	trackhoes	\$165.31	per hour	\$120,997
Assume	183	contractor supervisor	\$66.00	per hour	\$12,097
Assume	732	dump truck	\$81.64	per hour	\$59,756
<b>4. Backfill</b>					<b>\$725,167</b>
Assume	47,593	cubic truck yards of backfill at	\$10.59	per cy	\$504,008
Assume	366	dozers	\$127.89	per hour	\$46,804
Assume	366	compactors	\$87.65	per hour	\$32,077
Assume	366	loader at stock pile	\$101.63	per hour	\$37,194
Assume	366	water wagon	\$81.64	per hour	\$29,878
Assume	366	dump truck	\$102.72	per hour	\$37,592
Assume	458	compaction tests	\$45.00	per hour	\$20,606
Assume	91	contractor supervisor	\$66.00	per hour	\$6,029
Assume	366	labor	\$30.00	per hour	\$10,979
<b>5. Waste Transportation and Disposal</b>					<b>\$4,166,882</b>
Assume	3,966	transported loads of soil	\$385.00	per load	\$1,526,899
Assume	36,430	tons of non hazardous soil disposal	\$38.00	per ton	\$1,384,334
Assume	4,048	tons of hazardous soil disposal	\$132.00	per ton	\$534,304
Assume	952	waste profile samples (50 yd/sample)	\$758.00	per sample	\$721,344
<b>6. Confirmation Sampling</b>					<b>\$117,206</b>
Assume	19	samples (24 samples per acre)			\$0
Assume	127	confirmation samples	\$640.00	per sample	\$81,385
Assume	72	days rental equipment at	\$500.00	per day	\$35,821
<b>7. AMEC Excavation &amp; Contractor Field Oversight</b>					<b>\$59,984</b>
Assume	2.4	months office trailer at	\$500.00	per month	\$1,194
Assume	53	days per diem/lodging/truck rental at	\$260.00	per day	\$13,660
Assume	525	hours AMEC field supervisor at	\$86.00	per hour	\$45,131
<b>7. Project Management &amp; Reporting</b>					<b>\$558,260</b>
Assume	1	Report	\$35,000.00	Lump Sum	\$35,000
Assume	1	AMEC project management at 10% of all other cost			\$523,260
<b>8. Contingency</b>					<b>\$1,158,171</b>
Assume	1	Contingency			\$1,158,171